

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR UTILITY PATENT APPLICATION**

Attorney's Docket No.

000270-012

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

CLONING PIGS USING DONOR NUCLEI FROM DIFFERENTIATED CELLS

the specification of which

(check one)

☐

is attached hereto;

☒

was filed on July 3, 1997 as

Application No. 08/888,057

and was amended on _____;
(if applicable)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

DOCKETED
Filed 2/3/98

COMBINED DECLARATION AND POWER OF ATTORNEY			Attorney's Docket No. 000270-012
COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES_ NO_
			YES_ NO_

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:


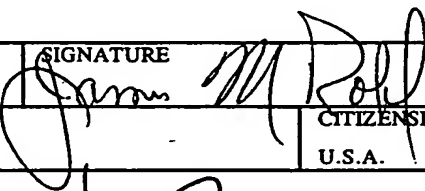
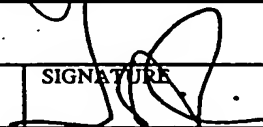
William L. Mathis	17,337	Ralph L. Freeland, Jr.	16,110	William C. Rowland	30,888
Peter H. Smolka	15,913	Robert G. Mukai	28,531	T. Gene Dillahunty	25,423
Robert S. Swecker	19,885	George A. Hovanec, Jr.	28,223	Anthony W. Shaw	30,104
Platon N. Mandros	22,124	James A. LaBarre	28,632	Patrick C. Keane	32,858
Benton S. Duffett, Jr.	22,030	E. Joseph Gess	28,510	Bruce J. Boggs, Jr.	32,344
Joseph R. Magnone	24,239	R. Danny Huntington	27,903	William H. Benz	25,952
Norman H. Stepno	22,716	Eric H. Weisblatt	30,505	Peter K. Skiff	31,917
Ronald L. Grudziecki	24,970	James W. Peterson	26,057	Richard J. McGrath	29,195
Frederick G. Michaud, Jr.	26,003	Teresa Stanek Rea	30,427	Matthew L. Schneider	32,814
Alan E. Kopecki	25,813	Robert E. Krebs	25,885	Michael G. Savage	32,596
Regis E. Slutter	26,999	Robert M. Schullman	31,196	Gerald F. Swiss	30,113
Samuel C. Miller, III	27,360				

and: Robin L. Teskin, Registration No. 35,030 and Richard C. Ekstrom, Registration No. 37,027

Address all correspondence to: **Robin L. Teskin, Esq.**
BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404
Alexandria, Virginia 22313-1404

Address all telephone calls to: Robin L. Teskin at (703) 836-6620.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	SIGNATURE	DATE
Steven L. STICE		9-2-97
RESIDENCE	CITIZENSHIP	
Belchertown, Massachusetts 01007	U.S.A.	
POST OFFICE ADDRESS		
468 Amherst Road, Belchertown, Massachusetts 01002		
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	SIGNATURE	DATE
James M. ROBL		9-2-97
RESIDENCE	CITIZENSHIP	
Belchertown, Massachusetts 01007	U.S.A.	
POST OFFICE ADDRESS		
196 Old Enfield, Belchertown, Massachusetts 01007		
FULL NAME OF THIRD JOINT INVENTOR, IF ANY	SIGNATURE	DATE
Jose CIBELLI		9-2-97
RESIDENCE	CITIZENSHIP	
Amherst, Massachusetts 01002	U.S.A. ARGENTINIAN	
POST OFFICE ADDRESS		
166 Village Park, Amherst, Massachusetts 01002		

FULL NAME OF FOURTH JOINT INVENTOR, IF ANY Paul GOLUEKE		SIGNATURE <i>Paul Golueke</i>		DATE 9/15/97
RESIDENCE 8 Diane Drive # 3, Belchertown, Massachusetts 01007		CITIZENSHIP U.S.A.		
POST OFFICE ADDRESS Belchertown, Massachusetts 01007				
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY		SIGNATURE		DATE
RESIDENCE		CITIZENSHIP		
POST OFFICE ADDRESS				
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY		SIGNATURE		DATE
RESIDENCE		CITIZENSHIP U.S.A.		
POST OFFICE ADDRESS				
FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY		SIGNATURE		DATE
RESIDENCE		CITIZENSHIP		
POST OFFICE ADDRESS				
FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY		SIGNATURE		DATE
RESIDENCE		CITIZENSHIP		
POST OFFICE ADDRESS				
FULL NAME OF NINTH JOINT INVENTOR, IF ANY		SIGNATURE		DATE
RESIDENCE		CITIZENSHIP		
POST OFFICE ADDRESS				
FULL NAME OF TENTH JOINT INVENTOR, IF ANY		SIGNATURE		DATE
RESIDENCE		CITIZENSHIP		
POST OFFICE ADDRESS				
FULL NAME OF ELEVENTH JOINT INVENTOR, IF ANY		SIGNATURE		DATE
RESIDENCE		CITIZENSHIP		
POST OFFICE ADDRESS				
FULL NAME OF TWELFTH JOINT INVENTOR, IF ANY		SIGNATURE		DATE
RESIDENCE		CITIZENSHIP		
POST OFFICE ADDRESS				



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 20, 1998

PTAS

BURNS, DOANE, SWECKER & MATHIS, L.L.P.
ROBIN L. TESKIN
P.O. BOX 1404
ALEXANDRIA, VIRGINIA 22313-1404



CORRECTED
NOTICE

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/03/1998

REEL/FRAME: 8945/0282
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
STICE, STEVEN L.

DOC DATE: 09/02/1997

ASSIGNOR:
ROBL, JAMES M.

DOC DATE: 09/02/1997

ASSIGNOR:
CIBELLI, JOSE

DOC DATE: 09/02/1997

ASSIGNOR:
GOLUEKE, PAUL

DOC DATE: 09/05/1997

ASSIGNEE:
MASSACHUSETTS, UNIVERSITY OF
OFFICE OF VICE CHANCELLOR FOR RESEARCH AT AMHERST
AMHERST, MASSACHUSETTS 01002

SERIAL NUMBER: 08888057
PATENT NUMBER:

FILING DATE: 07/03/1997
ISSUE

000270-012
ADVANCED CELL TECH.

RLT / RCE

DOANE, BOANE, SWECKER & MATHIS, LLP. RECEIVED JUN 02 1998 DOCKETED #6-3-98

8945/0282 PAGE 2

ANNIE HARRELL, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

S/N

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Stice et al.	Examiner:	Deborah Crouch
Serial No.:	09/845,353	Group Art Unit:	1632
Filed:	May 1, 2001	Docket No.:	60141.0003USC3
Title:	CLONING PIGS USING DONOR NUCLEI FROM DIFFERENTIATED CELLS		

CERTIFICATE UNDER 37 CFR 1.6(d):

I hereby certify that this paper is being transmitted by facsimile to 703-872-9306 the U.S. Patent and Trademark Office on April 2, 2004.

By:



Name/Susan L. Sperber

REVOCATION AND POWER OF ATTORNEY

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Please revoke any existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office in connection therewith:

Ali, M. Jeffer	Reg. No. 46,359	Daley, Dennis R.	Reg. No. 34,994
Altera, Allan G.	Reg. No. 40,274	Daley, William J.	Reg. No. 52,471
Anderson, Gregg I.	Reg. No. 28,828	Daulton, Julie R.	Reg. No. 36,414
Batzli, Brian H.	Reg. No. 32,960	Deffner, Mark E.	Reg. No. 55,103
Beard, John L.	Reg. No. 27,612	DeVries Smith, Katherine M.	Reg. No. 42,157
Bennett-Paris, Joseph M.	Reg. No. 47,226	DiPietro, Mark J.	Reg. No. 28,707
Berns, John M.	Reg. No. 43,496	Doscotch, Matthew A.	Reg. No. 48,957
Blackburn, Murrell W.	Reg. No. 50,881	Edell, Robert T.	Reg. No. 20,187
Bortolotti, Rebecca	Reg. No. 51,488	Epp Ryan, Sandra	Reg. No. 39,667
Brown, Jeffrey C.	Reg. No. 41,643	Fitzsimmons, Karen A.	Reg. No. 50,470
Bruess, Steven C.	Reg. No. 34,130	Frost, Roger T.	Reg. No. 22,176
Burke, John E.	Reg. No. 35,836	Golla, Charles E.	Reg. No. 26,896
Byrne, Linda M.	Reg. No. 32,404	Gorman, Alan G.	Reg. No. 38,472
Clifford, John A.	Reg. No. 30,247	Gotfredson, Garen J.	Reg. No. 44,722
Cook, Jeffrey	Reg. No. 48,649	Gould, John D.	Reg. No. 18,223
Daignault, Ronald A.	Reg. No. 25,968	Gresens, John J.	Reg. No. 33,112

Haack, John L.	Reg. No. 36,154	Peterson, Kyle T.	Reg. No. 46,989
Hamre, Curtis B.	Reg. No. 29,165	Phillips, John B.	Reg. No. 37,206
Hennings, Mark	Reg. No. 48,982	Randall, Joshua N.	Reg. No. 50,719
Hertzberg, Brett A.	Reg. No. 42,660	Reich, John C.	Reg. No. 37,703
Hillson, Randall A.	Reg. No. 31,838	Reiland, Earl D.	Reg. No. 25,767
Hope, Leonard J.	Reg. No. 44,774	Schmaltz, David G.	Reg. No. 39,828
Hornsby, III, Alton	Reg. No. 47,299	Schuman, Mark D.	Reg. No. 31,197
Jacobson, Charles A.	Reg. No. 53,061	Schumann, Michael D.	Reg. No. 30,422
Johns, Nicholas P.	Reg. No. 48,995	Scull, Timothy B.	Reg. No. 42,137
Johnston, Scott W.	Reg. No. 39,721	Sebald, Gregory A.	Reg. No. 33,280
Kalinsky, Robert A.	Reg. No. 50,471	Skoog, Mark T.	Reg. No. 40,178
Kettelberger, Denise	Reg. No. 33,924	Sorge, Keith M.	Reg. No. 50,865
Knearl, Homer L.	Reg. No. 21,197	Stewart, Alan R.	Reg. No. 47,974
Korver, Joshua W.	Reg. No. 51,894	Stoll-DeBell, Kirstin L.	Reg. No. 43,164
Kowalchyk, Alan W.	Reg. No. 31,535	Strouse, Thomas J.	Reg. No. 53,950
Kowalchyk, Katherine M.	Reg. No. 36,848	Sullivan, Timothy	Reg. No. 47,981
Lamberty, Michael	Reg. No. 50,760	Swenson, Erik G.	Reg. No. 45,147
Larson, James A.	Reg. No. 40,443	Trembath, Jon R.	Reg. No. 38,344
Lauer, Deakin T.	Reg. No. 47,735	Underhill, Albert L.	Reg. No. 27,403
Leach III, Thomas J.	Reg. No. 53,188	Wahl, John R.	Reg. No. 33,044
Leonard, Christopher J.	Reg. No. 41,940	Welter, Paul A.	Reg. No. 20,890
Lewis, George C.	Reg. No. 53,214	Wier, David D.	Reg. No. 48,229
Liepa, Mara E.	Reg. No. 40,066	Williams, Douglas J.	Reg. No. 27,054
McDonald, Daniel W.	Reg. No. 32,044	Wong, Bryan A.	Reg. No. 50,836
McIntyre, Jr., William F.	Reg. No. 44,921	Zeuli, Anthony R.	Reg. No. 45,255
Mueller, Douglas P.	Reg. No. 30,300		
Nelson, Anna M.	Reg. No. 48,935		
Pauly, Daniel M.	Reg. No. 40,123		

Please direct all correspondence in this application to Merchant & Gould PC, P.O.

Box 2903, Minneapolis, MN 55402-0903, telephone 404.954.5100.

Dated: March 2, 2004

By: Kristin Chrudimsky
 Kristin Chrudimsky
 Director of Intellectual Property



MEMORY TRANSMISSION REPORT

PAGE : 001
 TIME : APR-02-2004 01:51PM
 TEL NUMBER1: +4049545099
 TEL NUMBER2: +
 NAME : MERCHANT & GOULD

FILE NUMBER : 884
 DATE : APR-02 01:50PM
 TO : 8#07217038729306
 DOCUMENT PAGES : 002
 START TIME : APR-02 01:50PM
 END TIME : APR-02 01:51PM
 SENT PAGES : 002
 STATUS : OK

FILE NUMBER : 884

*** SUCCESSFUL TX NOTICE ***

S/N

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Stice et al.	Examiner:	Deborah Crouch
Serial No.:	09/845,353	Group Art Unit:	1632
Filed:	May 1, 2001	Docket No.:	60141.0003USC3
Title:	CLONING PIGS USING DONOR NUCLEI FROM DIFFERENTIATED CELLS		

CERTIFICATE UNDER 37 CFR 1.64(d):
 I hereby certify that this paper is being transmitted by facsimile to 703-872-9306 the U.S. Patent and Trademark Office on April 2, 2004.

By: Susan L. Sperber
 Name: Susan L. Sperber

REVOCATION AND POWER OF ATTORNEY

Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

Please revoke any existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office in connection therewith:

Alt, M. Jeffer	Reg. No. 46,359	Daley, Dennis R.	Reg. No. 34,994
Altera, Allan G.	Reg. No. 40,274	Daley, William J.	Reg. No. 52,471
Anderson, Gregg I.	Reg. No. 28,828	Daulton, Julie R.	Reg. No. 36,414
Batzli, Brian H.	Reg. No. 32,960	Deffner, Mark E.	Reg. No. 55,103
Beard, John L.	Reg. No. 27,612	DeVries Smith, Katherine M.	Reg. No. 42,157
Bennett-Paris, Joseph M.	Reg. No. 47,226	DiPietro, Mark J.	Reg. No. 28,707
Berna, John M.	Reg. No. 43,496	Doscotch, Matthew A.	Reg. No. 48,957
Blackburn, Murrell W.	Reg. No. 50,881	Edell, Robert T.	Reg. No. 20,187
Bortolotti, Rebecca	Reg. No. 51,488	Epp Ryan, Sandra	Reg. No. 39,667
Brown, Jeffrey C.	Reg. No. 41,643	Fitzsimmons, Karen A.	Reg. No. 50,470
Bruss, Steven C.	Reg. No. 34,130	Frost, Roger T.	Reg. No. 22,176
Burke, John E.	Reg. No. 35,836	Golla, Charles E.	Reg. No. 26,896
Byrne, Linda M.	Reg. No. 32,404	Gorman, Alan G.	Reg. No. 38,472
Clifford, John A.	Reg. No. 30,247	Goufredson, Garen J.	Reg. No. 44,722
Cook, Jeffrey	Reg. No. 48,649	Gould, John D.	Reg. No. 18,223
Daignault, Ronald A.	Reg. No. 25,968	Gresens, John J.	Reg. No. 33,112